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L4: Entry 2 of 2   File: DWPI   Jan 3, 2001

DERWENT-ACC-NO: 2001-330322
DERWENT-WEEK: 200135
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TITLE: Microprocessor with flash memory having area which can be rewritten and rewrite count area for maintaining count of memory rewrites and allowing rewrites so long as count is below given value

INVENTOR: NAGATA, M

PATENT-ASSIGNEE:
ASSIGNEE   CODE
NEC CORP   NIDE

PRIORITY-DATA: 1999JP-0182654 (June 29, 1999)

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PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
☐	EP 1065667 A2	January 3, 2001	E	008	G11C016/06
☐	JP 2001014870 A	January 19, 2001		006	G11C016/02

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1065667A2	June 27, 2000	2000EP-0113579	
JP2001014870A	June 29, 1999	1999JP-0182654	

INT-CL (IPC): G06 F 12/16; G11 C 16/02; G11 C 16/06

ABSTRACTED-PUB-NO: EP 1065667A
BASIC-ABSTRACT:

NOVELTY - The rewrite count area includes a rewrite count management areas managing the rewrite count of corresponding blocks of rewritable memory. Each block of memory has a rewrite count management area composed of a string of bits equal or larger in number than the maximum allowable rewrite count.

DETAILED DESCRIPTION - All of the bits of this string are initially set to a given value and when one of the memory blocks is rewritten the value of a bit position in the corresponding write count management area corresponding to the rewrite count of the bock being rewritten is changed. An INDEPENDENT CLAIM is included for a method of managing rewriting of a flash memory.

USE - In electrically rewritable, erasable non-volatile semiconductor memories.

ADVANTAGE - Maintains an accurate rewrite count in the flash memory itself.

CHOSEN-DRAWING: Dwg.0/4

TITLE-TERMS: MICROPROCESSOR FLASH MEMORY AREA CAN REWRITING REWRITING COUNT AREA MAINTAIN COUNT MEMORY REWRITING ALLOW REWRITING SO LONG COUNT BELOW VALUE

DERWENT-CLASS: T01 U14

EPI-CODES: T01-H01B3; U14-A03B7; U14-A07B;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N2001-237839